

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: ELMARK

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 99LED686

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	NMLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

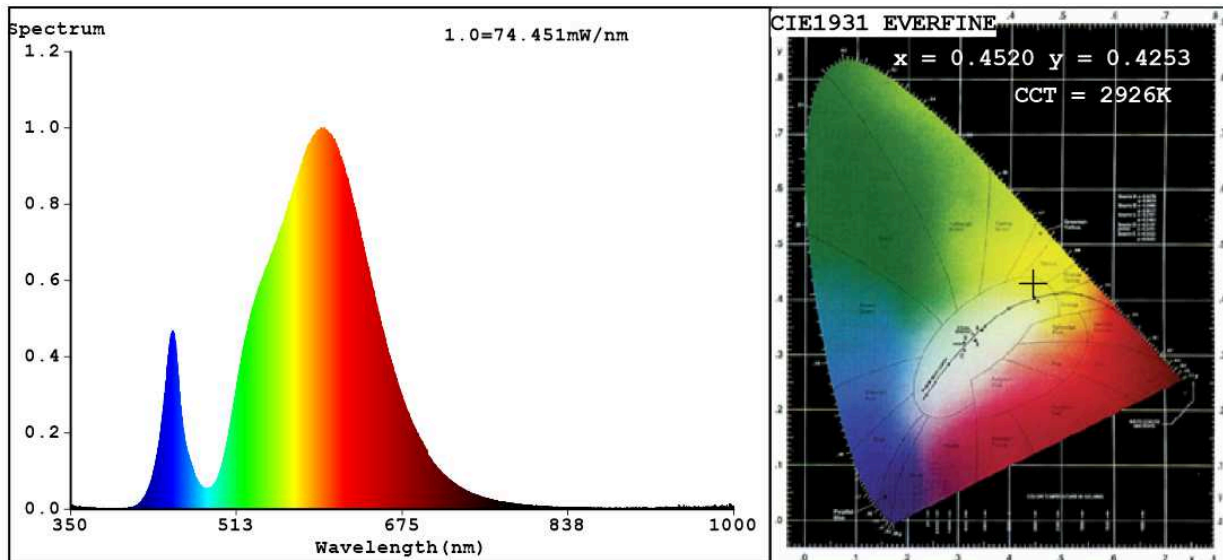
Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	20	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 000 in Wide cone (120°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	3 000
On-mode power (P_{on}), expressed in W	40,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,50
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,50	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	71
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,452 0,425	
Parameters for directional light sources:				
Peak luminous intensity (cd)	598	Beam angle in degrees, or the range of beam angles that can be set	120	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,50	
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.4520$ $y=0.4253$ / $u'=0.2512$ $v'=0.5317$ CCT=2926K (Duv=0.0062) Dominant WL: $\lambda_d = 581.2\text{nm}$ Purity=63.4%Ratio: R=21.5% G=77.3% B=1.1%; Peak WL: $\lambda_p = 598.8\text{nm}$ FWHM=127.2nmRender Index: $R_a = 71.4$

R1 = 68	R2 = 79	R3 = 89	R4 = 70	R5 = 66	R6 = 69	R7 = 82	
R8 = 49	R9 = 0	R10 = 50	R11 = 63	R12 = 36	R13 = 69	R14 = 93	R15 = 61

Photo Parameters:Flux = 3703 lm Eff. : 83.82 lm/W $P_e = 10.49\text{ W}$ **Electrical parameters:** $V = 12.080\text{ V}$ $I = 3.658\text{ A}$ $P = 44.19\text{ W}$ PF = 1.000

WHITE: OUT

Status: Integral T = 13 ms $I_p = 48576$ (74%)

Model: LED-3528-2x120-WW/20W/m
Tester: Petya Marinova
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 99LED686
Date: 2017-11-28 14:35
Humidity: 65.0%
Remarks: 017V047A_4188